

SECTION 82-101  
CUSTOMER WATER SERVICE PIPE REPLACEMENT OPTION - FROM CURB STOP TO WATER  
METER

The work for this pay item shall consist of replacing a privately owned lead (Pb) water service line from the curb stop, across private property, to the water meter inside the building.

Prior to construction, the Contractor shall complete the work to determine the existing water service pipe material and size at each existing curb stop and service box (B-box).

The Village of Westmont will provide the following three options to property owners with lead water service lines:

- A. Option 1. The Village's Contractor replaces the lead water service line at the unit price established under this Section 82-101 with a 1" (minimum size) Type K copper water service pipe (Option 1 - Private Owner Pipe Replacement). For private property owners who choose this option, the Village will collect payment from the owners for the cost for the Private owner Pipe Replacement and will pay the funds to the Contractor under the provisions of this contract. The Contractor and private property owner will enter into a separate contract that includes access, the details of the work, warranty, and the other coordination issues ("Contractor/Private Owner Agreement"). The specifications for this work are detailed below.
- B. Option 2. The private property owner hires a separate contractor to replace the lead water service pipe. For this Option 2, the Contractor is responsible for connecting the new copper water service pipe and new curb stop to the existing private lead service line. The separate contractor would be responsible for the re-excavating any access pits for connection to the new curb stop.
- C. Option 3. The private property owner declines Options 1 and 2. For this Option 3, the Contractor is responsible for connecting the new copper water service pipe and new curb stop to the existing private lead service pipe.

Prior to the commencement of the work, the Village of Westmont will send correspondence to property owners identifying the three options. The Village will provide the Contractor with a list of private property owners that chose the Option 1 - Private Owner Pipe Replacement and the Village will collect payments from those owners.

INSTALLATION AND MATERIALS FOR PRIVATE OWNER PIPE REPLACEMENT

If the new water service will replace an existing lead water service, then this work shall be conducted in accordance with AWWA C810-17 - replacement and Flushing of LEad Service Lines. New water service line pipe shall be installed across private property by horizontal directional drilling or moling methods (trenchless methods).

Water services shall be constructed in accordance with the requirements of Section 41-2.12 and 41-2.13 of the "Standard Specifications for Water and Sewer Construction in Illinois," the details in the Drawings, and as specified herein. All work must be performed by an Illinois Licensed Plumber and be registered with the Village.

Copper pipe shall be 1" (minimum) copper water tubing, Type K, soft temper, for underground service, conforming to ASTM B88 and B251. The pipe shall be marked with manufacturer's name or trademark and a mark indicating the type of pipe. The outside diameter of the pipe and minimum weight per foot of the pipe shall not be less than that listed in ASTM B251, Table 11. All copper connections shall be made with flared joints or compression fittings.

The service line replacement shall be from the curb stop to the building, across private property, entering the building through the foundation wall at approximately the same location as the existing water service line, but at least 10 feet from the buildings sanitary sewer service pipe and at least 6 feet horizontal separation from any tree. In the event that access to a basement or crawl space is not available or the building is on a slab foundation so the work inside the building cannot be completed, no new water service line will be installed from the curb stop to the home. The Contractor will be allowed a maximum trench/pit width of 4 feet.

All water service line replacements from the water main to the building must be done so by trenchless methods (HDD or moling) unless specifically directed by the Village or Engineer. The final trenchless method installation must be approved by the Village or Engineer.

Unless otherwise directed by the Engineer, splices between the curb stop and the building will not be allowed.

Removal and replacement of all hardscape items including, but not limited to, driveway and sidewalks and landscape restoration with 4 inches of topsoil and sod, to install the new private copper water service line will not be paid separately, but shall be considered included in the cost of LEAD WATER SERVICE PIPE REPLACEMENT - FROM CURB STOP TO WATER METER.

Where access pits are required, the Contractor shall conduct excavation and install bedding and trench backfill as required within the excavation limits in accordance with Village standards shown on the Drawings. The Contractor shall abandon the existing water service pipe in-place.

#### COORDINATION

A Contractor/Private Owner Agreement must be executed for each private property owner that selects Option 1 - Private Owner Pipe Replacement. A draft form of that agreement will be provided by the Contractor, and reviewed by the Village. The agreement with the Property Owner must include the following:

- a. General liability insurance in a minimum amount of \$1,000,000.00 per occurrence.
- b. 12-month warranty for workmanship and materials.
- c. Notice to the Property Owner consistent with these specifications.
- d. Acknowledgement of compliance by the Contractor with the terms of its contract with the Village of Westmont.
- e. Disruption of water service to customer property must be less than one day.

If the Village and Contractor are unable to reach an agreement on the terms of the Contractor/Private Owner Agreement, then the Village will provide the form of the agreement to be used. The contractor will coordinate appointments with the Owners to schedule the work, which may include evenings and weekends, and to gain access to perform the installation.

Once the property owner has notified the Contractor they are ready to schedule the work, the Contractor shall make the appointment promptly. The Contractor shall give the property owner a four-hour maximum time window on the selected day to arrive at the property to do the work. After the appointment is made, the Contractor shall call the property owner 24 hours in advance to the scheduled appointment to confirm and tell the property owner the name of the installer for this work.

The Contractor will be responsible for providing only plumbers licensed in the State of Illinois for installation of the private water services. All employees of the Contractor entering a house (either licensed plumber or additional apprentice) shall be 18 years of age or older and shall provide photograph identification. All of the Contractor's staff present themselves in a professional manner and appearance. The Contractor's staff appearance shall include some sort of uniform shirt with a company logo identifying this staff member as an employee of the Contractor. The vehicle the Contractor and staff use for this project shall be clearly marked with the Contractor's company name.

The installation staff shall be considerate to the owner and their property. For interior work, installation staff are to protect private property by covering their shoes/boots with new disposable covers every time they enter a building. If it appears that any of the property will be damaged with the installation of the water service, the Owner shall be contacted before the installation. Restoration shall be performed to match the original conditions. No debris or water is to be left behind once the installation is complete.

Prior to beginning the replacement work, the water supply to the service line and the property shall be shut off to avoid release of particulate lead into the property owner's premises. After all connections have been completed, the Contractor shall flush the water from an outside connection (such as a hose bib or hose leading from the building side of the meter) to remove any particles in the service line. Flush at full velocity for at least 10 minutes. The Contractor shall then advise the property owner to flush the premise's interior plumbing in accordance with the instructions provided in the Owner-provided informational material.

## DOCUMENTATION

For each lead service line replacement, the Contractor shall provide the Owner with the following documentation:

- a. Digital photograph of each building with addresses clearly visible.
- b. Digital photographs of water main and meter connection locations showing new pipe and old pipe.
- c. Digital photographs of the exterior and interior pre-installation and post-installation conditions on private property.
- d. Length, size, and material type of the new pipe installed.
- e. Type and size of pipe material the new pipe is connected to inside the building.
- f. Method of installation.
- g. Approximate length and location of abandoned lead service line pipe left in the ground.
- h. Flushing time and location(s).

The above documentation shall be provided by the Contractor to the owner in digital format (utilizing Adobe Acrobat, Microsoft Work, or other Owner-approved software on CD, DVD, thumb drive, or other Owner-approved media).

## BASIS OF PAYMENT

This work of this Pay Item shall include all project management; coordination and contact with private property owners; required inspections; the cost for the materials; horizontal directional drilling or moling labor, equipment, and operations; excavation; coring through foundation walls and sealing of annular space around pipe; connections to the water service pipe and curb stop; all piping and plumbing modifications inside the building, including water meter relocations and new valve(s); trench and backfill material and placement; coordination for private property access; private property restoration to the original condition; pavement removal and replacement; flushing; documentation and all other required work to complete the water service line replacement work.

The work will be measured and paid for at the specified Contract Unit Price of **\$5,000** for each CUSTOMER WATER SERVICE PIPE REPLACEMENT - FROM CURB STOP TO WATER METER. The Village will collect the payment from each property owner, and will provide payment in full to the Contractor after work is completed as provided in this contract.